AD A 054633



SPECIAL DATA COLLECTION SYSTEM (SDCS) NTS Event "RUDDER," 28 December 1976

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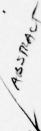
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SDCS Event Report No. 127

NTS Event "RUDDER", 28 December 1976

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the $\frac{25000}{25000}$ event. Published epicenter information from seismic observations is $\frac{25000}{25000}$

						ASS TO	
	"P" Arrival"	Origin Time	Latitude	Longitude	m _b	M _s	
Hagfor	18:11:40.8	18:00:01	37N	116W	5.8	N/A	
LASA	18:02:53.2	Near regional	distance/no	location or	т _b .		
SDAC/V	ELA	18:00:06.6	37.3N	116.1W	5.2	N/A	

All SDCS stations were operational during this time period, although only one (HN-ME) recorded a usable signal. RK-ON was negative due to the signal being obscurred by unusually high background, and the Nevada stations were clipped. Long-period was positive at HN-ME and RK-ON, the only two SDCS stations operating LP instruments at this time.

Both short-period and long-period waveform data from LASA was recoverable from the SDAC/VELA Network detection processor; NORSAR was not.

Information for Hagfors is from their bulletin.

Beginning with this report, epicenter information from the SDAC/VELA Network will be included when available.

Scaling factors on plots are millimicrons at 1 Hz for SP and 0.04 Hz for LP (not corrected for instrument response).

ACCESSION	l for	
NTIS	White Section	K
DDC	Buff Section	
UNANNOUN	CED	
JUSTIFICAT	TION	
DY	,	·· ··· ·
DISTRIBU	TION/AVAILABILITY CO	

STATION DESCRIPTION

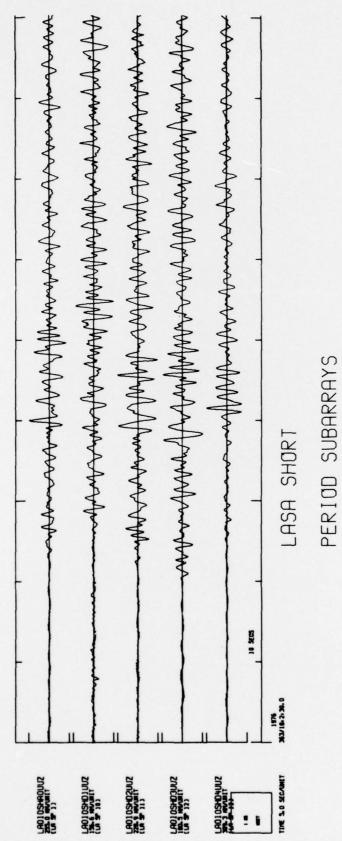
NTATION LONG-PERIOD	KS36000	SL210 V SL220 H	N/A	N/A	N/A	7505A V 8700C H	7505A V 8700C H
INSTRUMENTATION SHORT-PERIOD LONG-	KS36000	18300	18300	18300	18300	HS10	HS10
ELEVATION METERS	213	366				744	379
SITE COORDINATES DEG MN SECS	46 09 43.0 N 067 59 09.0 W	50 50 20.0 N 093 40 20.0 W	37 13 31.0 N 116 03 28.0 W	31 16 33.0 N 116 25 06.0 W	37 15 16.0 N 116 18 13.0 W	46 41 19.0 N 106 13 20.0 W	60 49 25.4 N 010 49 56.5 E
LOCATION	Houlton, Maine	Red Lake, Ontario	Nevada Test Site	Nevada Test Site	Nevada Test Site	Billings, Montana	Kjeller, Norway
SITE CODE	HN-ME	RK-ON	OBZNV	NT-NV	NTZNV	LASA	NORSAR

PREDA -- TRAVEL TIME PREDICTIONS --

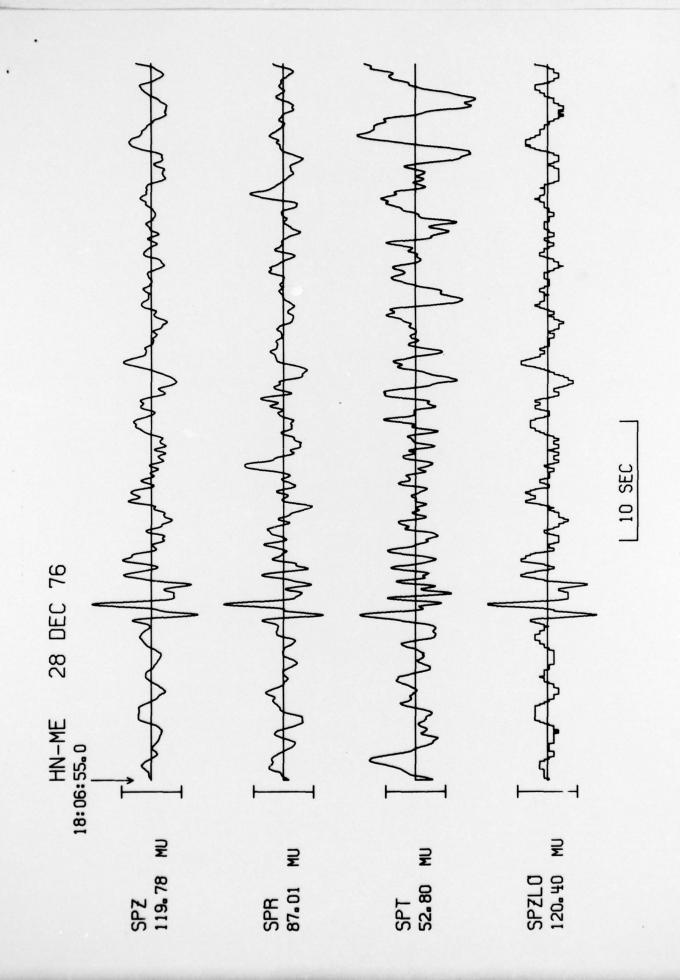
28DEC INPUT FOR EVENT 28 DEC 76 18:00:00.0 37.000N 116.000W 0KM.

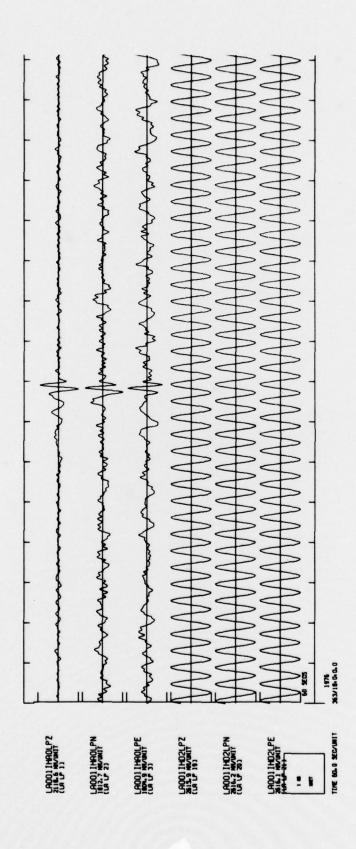
				SUF	RF (CKM.)		DIST		AZI
STA.			TIM	E	TRAV.TIME	DFG.	KM.	EVT-STA	STA-EVT
OB2NV	P	18	00 0	4.3	0:04.3	0.23		348.443	
OB3NV	P	18	00 0	4.4	0:04.4	0.24	26.2509	349.440	169.408
NT2NV	P	18	00 0	6.4	0:06.4	0.34	37.8929	317.990	137.818
NT-NV	P	18	00 0	8.1	0:08.1	C. 43	48.1569	309.600	129.348
LAO	P	18	02 5	2.8	2:52.8	12.11	1346.3806	33.872	220.403
RK-ON	P	18	04 4	5.4	4:45.4	21.10	2346.6204	41.990	237.640
HN-ME	P	18	07 0	6.8	7:06.8	36.58	4067.1921	60.108	273.026
NAO	P	18	11 3	2.3	11:32.3	73.31	8151.6133	24.170	318.013
HFS	P	18	11 4	0.7	11:40.7	74.76	8312.8984	23.524	320.323

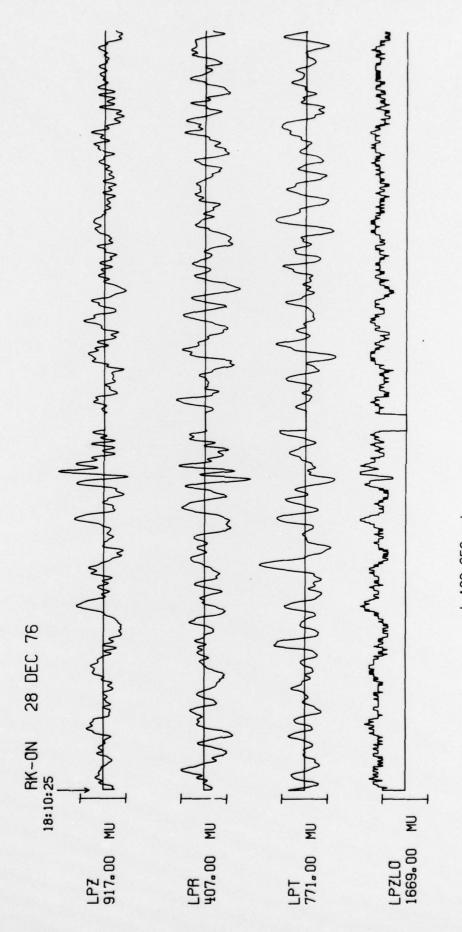
67 HERRIN TRAVEL TIME TABLES



28 DEC 76







120 SEC

